

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A human gene over-expressing transgenic animal, which is a non-human animal carrying selected from the group consisting of: mouse, rat and rabbit, wherein said transgenic animal comprises a human hematopoietic prostaglandin D2 synthase gene in its somatic cell chromosome and expressing expresses human prostaglandin D2 synthase in the lung, spleen and liver at a level more than five times that of a wild-type animal, wherein the human gene over-expressing said transgenic animal is obtained through ontogenesis of a totipotency cell of a non-human animal or offspring of the obtained animal mouse, rat, rabbit or offspring thereof, and the totipotency cell is introduced with said synthase gene.

2. (Cancelled)

3. (Currently amended) A method for testing *in vivo* activity of a candidate anti-allergy substance, which comprises administering the candidate substance to the human gene over-expressing transgenic animal of claim 1 or 2, and measuring allergic reactions of the human gene over-expressing transgenic animal to thereby evaluate the activity of the candidate substance.

4. (Currently amended) A method for testing *in vivo* activity of a candidate sleep-lowering substance, which comprises administering the candidate substance to the human gene over-expressing transgenic animal of claim 1 or 2, and measuring sleep condition of the human gene over-expressing transgenic animal to thereby evaluate the activity of the candidate substance.

5. (Currently amended) A method for testing *in vivo* activity of a candidate body weight-lowering substance, which comprises administering the candidate substance to the human gene over-expressing transgenic animal of claim 1 or 2, and measuring the obesity condition of the human gene over-expressing transgenic animal to thereby evaluate the activity of the candidate substance.